

Amendments to the Claims

Please amend Claims 1-2, 4-5, 8-10, 12-13, 16-18, 20-21, and 24-28. The Claim listing below will replace all prior versions of the claims in the application.

Claim Listing

1. (Currently Amended) A method comprising:
if a change in configuration of ~~storage~~ a Redundant Array of Inexpensive Disks (RAID) system occurs during one mode of operation of a device coupled to the RAID system, storing, in the ~~storage~~ RAID system, data indicative, at least in part, of resulting configuration of the ~~storage~~ RAID system resulting after the change, the device having a relatively lower power consumption rate while the device is operating in the one mode of operation compared to a relatively higher power consumption rate while the device is operating in another mode of operation.
2. (Currently Amended) The method of claim 1, further comprising:
in response, at least in part, to a request to operate in the another mode of operation, storing, at least in part, based at least in part upon the data, other data indicative at least in part of the resulting configuration of the ~~storage~~ RAID system; and
executing, based at least in part upon the other data, one or more operations involving, at least in part, the ~~storage~~ RAID system.
3. (Original) The method of claim 1, wherein:
the data comprises metadata.
4. (Currently Amended) The method of claim 1, further comprising:
while the device is operating in the one mode of operation, preventing execution of one or more pending operations involving, at least in part, the ~~storage~~ RAID system.

5. (Currently Amended) The method of claim 1, wherein:
the change in the configuration of the ~~storage~~RAID system comprises at least one of a volume change and a ~~storage device~~RAID system change.
6. (Original) The method of claim 1, wherein:
the one mode of operation comprises a suspend mode of operation; and
the another mode of operation comprises a resume mode of operation.
7. (Original) The method of claim 6, further comprising:
in response, at least in part, to a request to operate in the one mode of operation, storing information indicating, at least in part, status of one or more processes being executed, at least in part, by the device.
8. (Currently Amended) The method of claim 1, wherein:
~~the storage comprises a redundant array of inexpensive disks; and~~
the device comprises a host processor capable of executing a driver capable of accessing the data while the device is operating in the another mode of operation.
9. (Currently Amended) An apparatus comprising:
circuitry capable of storing in ~~storage~~ a RAID system, if a change in configuration of ~~storage~~ the RAID system occurs during one mode of operation of a device coupled to the RAID system, data indicative, at least in part, of resulting configuration of the ~~storage~~RAID system resulting after the change, the device having a relatively lower power consumption rate while the device is operating in the one mode of operation compared to a relatively higher power consumption rate while the device is operating in another mode of operation.
10. (Currently Amended) The apparatus of claim 9, wherein:
the circuitry is also capable of, in response, at least in part, to a request to operate in the another mode of operation, storing, at least in part, based at least in

part upon the data, other data indicative at least in part of the resulting configuration of the ~~storage~~RAID system; and

the circuitry is also capable of executing, based at least in part upon the other data, one or more operations involving, at least in part, the ~~storage~~RAID system.

11. (Original) The apparatus of claim 9, wherein:

the data comprises metadata.

12. (Currently Amended) The apparatus of claim 9, wherein:

the circuitry is also capable of, while the device is operating in the one mode of operation, preventing execution of one or more pending operations involving, at least in part, the ~~storage~~RAID system.

13. (Currently Amended) The apparatus of claim 9, wherein:

the change in the configuration of the ~~storage~~RAID system comprises at least one of a volume change and a ~~storage device~~RAID system change.

14. (Original) The apparatus of claim 9, wherein:

the one mode of operation comprises a suspend mode of operation; and
the another mode of operation comprises a resume mode of operation.

15. (Original) The apparatus of claim 14, wherein:

the circuitry is also capable of, in response, at least in part, to a request to operate in the one mode of operation, storing information indicating, at least in part, status of one or more processes being executed, at least in part, by the device.

16. (Currently Amended) The apparatus of claim 9, wherein:

the ~~storage~~RAID system comprises a redundant array of inexpensive disks; and

the device comprises a host processor capable of executing a driver capable of accessing the data while the device is operating in the another mode of operation.

17. (Currently Amended) An article comprising:

a storage medium having stored therein instructions that when executed by a machine result in the following:

if a change in configuration of ~~storage~~a RAID system occurs during one mode of operation of a device coupled to the RAID system, storing, in the ~~storage~~RAID system, data indicative, at least in part, of resulting configuration of the ~~storage~~RAID system resulting after the change, the device having a relatively lower power consumption rate while the device is operating in the one mode of operation compared to a relatively higher power consumption rate while the device is operating in another mode of operation.

18. (Currently Amended) The article of claim 17, wherein the instructions when executed also result in:

in response, at least in part, to a request to operate in the another mode of operation, storing, at least in part, based at least in part upon the data, other data indicative at least in part of the resulting configuration of the ~~storage~~RAID system; and

executing, based at least in part upon the other data, one or more operations involving, at least in part, the ~~storage~~RAID system.

19. (Original) The article of claim 17, wherein:

the data comprises metadata.

20. (Currently Amended) The article of claim 17, wherein the instructions when executed also result in:

while the device is operating in the one mode of operation, preventing execution of one or more pending operations involving, at least in part, the storageRAID system.

21. (Currently Amended) The article of claim 17, wherein:
the change in the configuration of the storageRAID system comprises at least one of a volume change and a storageRAID system device change.
22. (Original) The article of claim 17, wherein:
the one mode of operation comprises a suspend mode of operation; and
the another mode of operation comprises a resume mode of operation.
23. (Original) The article of claim 22, wherein the instructions when executed also result in:
in response, at least in part, to a request to operate in the one mode of operation, storing information indicating, at least in part, status of one or more processes being executed, at least in part, by the device.
24. (Currently Amended) The article of claim 17, wherein:
~~the storage comprises a redundant array of inexpensive disks; and~~
the device comprises a host processor capable of executing a driver capable of accessing the data while the device is operating in the another mode of operation.
25. (Currently Amended) A system comprising:
a circuit board comprising read only memory (ROM) to store instructions;
and
circuitry capable of executing the instructions, execution of the instructions by the circuitry resulting in:
if a change in configuration of a storageRAID system occurs during one mode of operation of a device coupled to the RAID system, storing, in the

~~storage~~RAID system, data indicative, at least in part, of resulting configuration of the ~~storage~~RAID system resulting after the change, the device having a relatively lower power consumption rate while the device is operating in the one mode of operation compared to a relatively higher power consumption rate while the device is operating in another mode of operation.

26. (Currently Amended) The system of claim 25, wherein:
the circuitry comprises a processor; and
a circuit board also comprises one or more integrated circuits coupled to the processor and capable of being coupled to the storage; ~~and~~
~~the storage comprises a redundant array of inexpensive disks (RAID).~~
27. (Currently Amended) The system of claim 26, wherein:
respective copies of the data are stored in respective storage devices comprised in the RAID system.
28. (Currently Amended) The system of claim 27, wherein:
the circuit board also comprises a bus and a circuit card slot coupled to the bus, the slot being coupled to the processor via ~~the~~ a chipset.
29. (Original) The system of claim 25, wherein:
the instructions are comprised in basic input/output system (BIOS) instructions stored in the ROM.